Eva Weichien Lee

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SKILLS

- **PROGRAMMING SKILLS:** Rust, Java, C, OCaml, Unix Shell Scripting, SQL, NoSQL, Markdown, Assembly Language, Solidity, Embedded Systems, Embedded Software, R, Natural Language Processing NLP, Amazon Alexa Skills Kit, React, API stacks, Foreign Function Interface FFI, Node.js, JavaScript, HTML, CSS, ScSS, Bootstrap, XML, Python, Swift, Git, RESTful, SOAP, Databases, Functional & OOP Programming Paradigms, Data Structures & Design Patterns, Regular Expressions Regex, Code Reviews

- **ADDITIONAL TECHNICAL SKILLS:** Amazon Web Services (AWS), Microsoft Azure, Microsoft Office 365, Kali Linux, Google Workplace, Docker, Microsoft Power BI, SecOps, Computer Science Educator, IntelliJ, UI/UX, Pentest, A/B Testing, Serverless Web Applications, Web Services, Agile, SaaS, Apache Hadoop, SDLC, DevOps, Automation, Data Migration, Distributed Systems, Identity Access Management, Cloud Computing, Software Requirements, Data Infrastructure, Data Stores, Network Infrastructure, Continuous Integration/Continuous Delivery CI/CD, GitLab, Machine Learning (ML), Robotic Process Automation, Data Visualization, Minimum Viable Product (MVP), Fuzzing, Backend Services, Web3, Tokenization, Blockchain, Smart Contracts, NFT, Ethereum, Defi, ERC-20, ERC-721, Alchemy, OpenZeppelin, Functional Requirements, Technical Specifications, Compliance Management, Service-Oriented Architecture (SOA), Use Cases, OWASP, Nmap, Wireshark, Burp, IP security

- **BUSINESS SOLUTION SKILLS:** Go-To Market Strategies, Strategic Planning & Sourcing, Cost Optimization, Business Requirements, Proforma Analysis, Project Management, Disaster Recovery Planning, Quantitative Analysis, Requirements Gathering, Market Research, Corporate Tax, Due Diligence, Financial Modeling, Proof of Concept, Change Management, Intellectual Property (IP), Utility Provisional & Non-Provisional Patents, Training & Development

EXPERIENCE

NERDPOWER LLC
Consultant

LAS VEGAS, NV
2020 - Present

BUSINESS TAX & SOLUTIONS CONSULTING

- Reduced clients' tax liability to an average of **-18.74%** effective tax rate.

DEPARTMENT OF DEFENSE (DOD) FEDERAL CONTRACTOR

- WOSB, SBA, ESA, and SAM certified federal contractor specializing in computing technology services.

ZAPPOS.COM – Selected by CTO to identify and evaluate web application security.

- Performed penetration testing on Zappos' infrastructure and vulnerability assessment of web applications.

- Drafted best practices to mitigate security vulnerabilities.

CUSTOM CLOUD INTEGRATIONS – Led the development of full application stacks from operating systems to customized web and mobile applications.

- Worked in collaboration with client business units, shareholders, and software developers from proof of concept (POC) through minimal viable product (MVP).

- **Enterprise "seed-to-sale" system (ERP)** design, development, and integration for cannabis cultivation and processing:

- Reduced proposed ERP costs by ~65% by customization and integration of APIs, data stores, and technology stacks.

- Customized in-development software to clients' requirements and regulatory environments.

IEDU COLLEGE COUNSELING – Private academia institution specializing in magnet academic programs.

- Winner of 2018 Congressional App Challenge for ChromaCalendar.

- Developed and executed computer science curriculum and instructional approaches to meet the needs of individual students.

TONY HSIEH   LAS VEGAS, NV – PARK CITY, UT

Technical Consultant   2019 - 2020

- Consultant for Tony Hsieh, former CEO of Zappos.com, with a broad mandate of increasing expediency and minimizing costs while maintaining quality excellence.

- Managed projects from initiation through completion, including planning, analysis, implementation, and post-implementation reviews.

- Designed and developed automated serverless applications solutions utilizing robotic process automation, natural language processing, machine learning models, and cloud technologies -

- Engineered cloud-native data virtualization to address app fatigue, streamline organizational communication and increase organizational efficiency.

- Developed application architecture strategy to efficiently align with shareholders' values and goals.

- Delivered lower cost, out-of-the-box solutions against aggressive schedules -

- Awarded the "MacGyver" prize for recognition in outstanding process improvements in project deliverables.

- Researched new technologies and devised a plan to build a regulatory compliant chemical laboratory on residential zoning

- Developed efficient, out-of-the-box solutions to meet final project deliverables within 6 months while achieving regulatory compliancy and safety requirements.

LAW OFFICE OF GEORGE G.C. TSENG, LLP, LOZA & LOZA LLP   PASADENA, CA

Patent Agent   2012 - 2015

- Coordinated and managed client dockets and portfolio deliverables.

- Prepared patentability, infringement, right-to-use, (clearance), validity opinions; and domestic and foreign utility patent prosecutions, requests, and reexaminations.

- Assisted in preparation and prosecution of domestic and foreign provisional and non-provisional applications pertaining to computer networking, wireless and traditional telecommunications, solid-state lighting (SSL), RFID, internet infrastructure, multimedia, semiconductor, computer architecture, and business methods.

EDUCATION

- **UNIVERSITY OF CALIFORNIA BERKELEY EXTENSION**

  Java   2020 – 2021
- **HARVARD UNIVERSITY / HARVARD EXTENSION**

  Computer Science   2015 – 2018
- **UNIVERSITY OF CALIFORNIA BERKELEY**

  Psychology   2000 – 2001

CERTIFICATIONS

- **AMAZON WEB SERVICES (AWS) SOLUTIONS ARCHITECT**   7B560BDKG1RQ13WE
- **U.S. DEPARTMENT OF DEFENSE (DOD) CONTRACTOR**   8ZCH3
- **U.S. GENERAL SERVICES ADMINISTRATION (GSA) CONTRACTOR**   GSAFSD6555533
- **SOCIETY OF ACTUARIES (SOA)**   Exam P

AWARDS

- **UNITED STATES CONGRESSIONAL APP CHALLENGE**

  Winner of the 2018 United States Congressional Computer Science challenge
- **THE MACGYVER AWARD**

  Winner of the 2020 challenge

SPOKEN LANGUAGES

- Fluent in **Mandarin Chinese** and English.
- Proficient in Cantonese and Taiwanese Hokkien dialects.

PROJECTS – available @ alt-0222.github.io

- **WEB SCANNER** — A web vulnerability scanner written in Rust that inspects and maps multiple attack surfaces of a website; Enumerates website's ports and subdomains for CVEs and CWEs and parses the results.

- **SHA-1 WHACK CRACK** — A simple SHA-1 hash password cracker written in Rust.

- **WOOF-WOOF MEDIA NFT** — ERC-721 tokenization fun.

- **MENIAL MONKEY BOT** — An automated productivity bot to address "app fatigue". with customized Alexa Skills Kit to seamlessly automate workflow processes across various platforms and technologies.

- **MONKEY BOT MODULES** — Automatic bots and other modules built on AWS to analyze and process workflow pull requests across various platforms and technologies.

- **COMPUTER SCIENCE CURRICULUM DESIGN** — Customized educational approaches tailored to each students' aptitude. Winner of the 2018 Congressional App Challenge for ChromaCalendar.